

Name: _____

Date: _____

FOIL and Factor solution (version 117)

FOIL the expressions shown below:

1. $(x + 2)(x - 7)$

$$x^2 - 5x - 14$$

2. $(x + 4)(x + 2)$

$$x^2 + 6x + 8$$

3. $(x - 6)(x - 7)$

$$x^2 - 13x + 42$$

4. $(x + 5)(x + 9)$

$$x^2 + 14x + 45$$

5. $(x + 8)(x - 5)$

$$x^2 + 3x - 40$$

Factor the expressions shown below:

6. $x^2 + 5x - 14$

$$(x + 7)(x - 2)$$

7. $x^2 - 9x + 18$

$$(x - 3)(x - 6)$$

8. $x^2 + 3x + 2$

$$(x + 1)(x + 2)$$

9. $x^2 + 7x - 18$

$$(x - 2)(x + 9)$$

10. $x^2 + 4x + 4$

$$(x + 2)(x + 2)$$